

LIQUID GLASS CLEANER CONCENTRATE
(ALCOHOL/SOLVENT/AMMONIA/PHOSPHATE/GLUCONATE)

Raw Materials	Percent by Weight
1. Water	61.5
2. Petro BA Surfatrope or Petro BAF Surfatrope	2.5
3. Tetrapotassium Pyrophosphate	1.0
4. Butyl Cellosolve Solvent	5.0
5. Sodium Gluconate (Technical)	1.0
6. Ammonium Hydroxide (28%)	5.0
7. Isopropyl Alcohol (99%)	24.0
	100.0

Formulation Notes

- For general or light glass cleaning, mix 16:1 with tap water.
- For heavy buildup, mix 8:1 with tap water.

Source: Petrochemicals Co., Inc., P.O. Box 2199, Fort Worth, TX 76101. *Formulation Bulletin: Formula G-10L.*

LIQUID GLASS CLEANER CONCENTRATE
(NONAMMONIATED) (ALCOHOL/SURFATROPE)

Raw Materials	Parts by Weight	Percent by Weight
1. Water	16.5	16.34
2. Isopropyl Alcohol (99%)	82.0	81.18
3. Petro BA Surfatrope	1.0	0.99
4. Monoethanolamine	0.5	0.50
5. Perfume	1.0	0.99
6. Dye	500 ppm	500 ppm
	101.0	100.00

Formulation Note

This concentrate should be mixed with 9 parts of water to 1 part cleaner to be ready to use.

Source: Petrochemicals Co., Inc., P.O. Box 2199, Fort Worth, TX 76101. *Formulation Bulletin: Formula G-11-L.*

LIQUID GLASS CLEANER AND RINSE
(AMIDE/CHELATING AGENT)

Raw Materials	Percent by Weight
1. Coconut Condensate Diethanolamide	10.0
2. Versene 100 Chelating Agent	0.2
3. Water	89.8
	100.0

Source: Onyx Chemical Co., 14000 South Seeley Ave., Blue Island, IL 60406. *Specification Sheet: Coconut Condensate-Biodegradable.*

LIQUID GENERAL PURPOSE GLASS CLEANER
(ALCOHOL/GLYCOL ETHER/AMMONIA)

Raw Materials	Percent by Weight
1. Dowanol DPM Glycol Ether	4.0
2. Isopropyl Alcohol	4.0
3. Ammonium Hydroxide (28%)	1.0
4. Pluronic F108 Surfactant	0.1
5. Water	90.9
	100.0

Formulation Note

The concentration of Dowanol DPM Glycol Ether and isopropyl alcohol can be adjusted to control the evaporation rate and appearance on the glass.

Key Property

Particularly suited for packaging in a spray bottle

Source: Dow Chemical U.S.A., Midland, MI 48640. *P-Series Dowanol Glycol Ethers in Cleaning Formulations.*